

Converting Colors

CIELCh(19, 28.357, 319.304)

Have a look what the booklet for
CIELCh(19, 28.357, 319.304)
contains.

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Color

CIELCh(19, 28.048, 319.663)

Conversions

Conversions Part 1

Format	Color
Hex	402349
RGB	64, 35, 73
RGB Percent	25%, 14%, 29%
CMY	0.7500, 0.8637, 0.7147
CMYK	0.12, 0.52, 0.00, 0.71
HSL	286°, 35%, 21%
HSV	286°, 52%, 29%
XYZ	3.8855, 2.7468, 6.5838
YIQ	48.0030, 5.0860, 17.9660

Conversions

Conversions Part 2

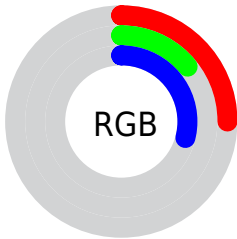
Format	Color
R_{YB}	64, 35, 73
Decimal	4203337
CIE _{Lab}	19.00, 21.38, -18.15
CIE _{LCh}	19, 28.048, 319.663
Yxy	2.7468, 0.2940, 0.2078
Android (android.graphics.Color)	4282393417 (0xFF402349)
YUV	48.0030, 12.3235, 14.0294
Hunter-Lab	16.5735, 12.8435, -11.9513

Details

The CIELCh color **19, 28.048, 319.663** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 27.378, 135.142**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 27.880, 319.629**, and **2, 18.581, 313.808** is the 20% darker color. If you saturate the color by 10%, you get **17, 33.065, 319.946**, and if you desaturate by 10%, it is **21, 22.764, 319.320**.

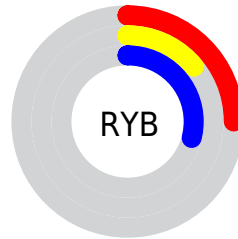
Distribution



Red (25%)

Green (14%)

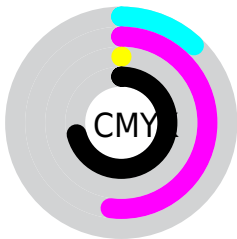
Blue (29%)



Red (25%)

Yellow (14%)

Blue (29%)

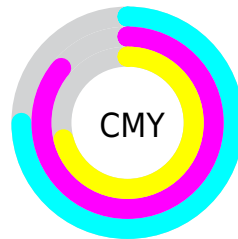


Cyan (12%)

Magenta (52%)

Yellow (0%)

Black (71%)



Cyan (75%)

Magenta (86%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 28.048, 319.663 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 19, 28.048, 319.663 by changing the saturation by 10% instead.

■ 19, 28.048,
319.663

■ 19, 28.048,
319.663

■ 100, 28.048,
319.663

■ 9, 28.048, 319.663

■ 39, 28.048,
319.663

■ 0, 28.048, 319.663

■ 49, 28.048,
319.663

■ 59, 28.048,
319.663

■ 69, 28.048,
319.663

■ 79, 28.048,
319.663


■ 89, 28.048,


319.663


 99, 28.048,
319.663


 19, 28.048,
319.663


 19, 28.048,
319.663


 17, 33.065,
319.946


 21, 22.764,
319.320

 15, 37.642,
320.139


 23, 17.352,
318.943

 14, 41.573,
320.205

 26, 11.907,
318.549

 12, 44.900,
320.167

 28, 6.499, 318.149

 11, 47.727,
320.225

 30, 1.170, 317.696

 33, 4.052, 137.433

■ 35, 9.152, 137.069

■ 38, 14.122,
136.737

■ 40, 18.961,
136.429

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19, 28.048, 319.663



28, 27.378, 135.142

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19, 28.048, 319.663



19, 28.048, 9.663



19, 28.048, 139.663



19, 28.048, 189.663

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19, 28.047, 319.663



35, 10.599, 318.325



19, 19.700, 285.106



17, 7.221, 318.364



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19, 28.047, 319.663



23, 41.326, 320.019



20, 24.734, 335.667



13, 2.910, 318.001



18, 59.246, 319.890



45, 108.511, 319.323

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19, 19.318, 6.697



23, 28.951, 9.455



27, 24.639, 148.159



13, 1.892, 1.111



19, 44.389, 22.849



48, 83.646, 27.370

Previews

White Background



This preview shows how the CIE LCh color 19, 28.048, 319.663 looks on a white background.

Color Contrast Check

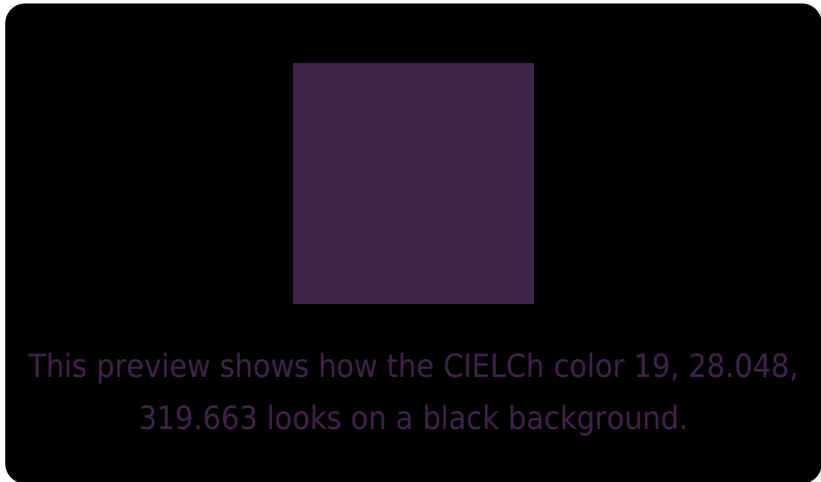
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

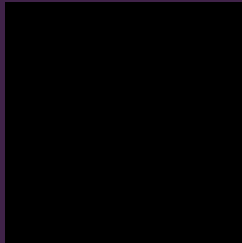
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 28.048, 319.663

Background



This preview shows how black text looks on a background with the CIELCh color 19, 28.048, 319.663.



This preview shows how white text looks on a background with the CIELCh color 19, 28.048, 319.663.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19, 28.048, 319.663

Protanopia

19, 25.438, 284.782

Deuteranopia

19, 16.753, 279.058



Tritanopia
19, 9.023, 8.550

Trichromacy



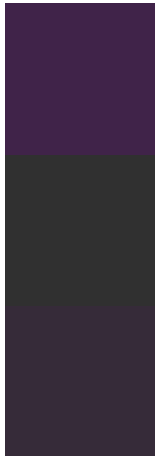
Original Color
19, 28.048, 319.663

Protanomaly
19, 25.366, 295.993

Deuteranomaly
19, 19.931, 296.963

Tritanomaly
19, 14.753, 335.401

Monochromacy



Original Color
19, 28.048, 319.663

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 10.808, 319.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 28.048, 319.663 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(64, 35, 73)` looks like.

```
.text, #text, p{  
    color:rgb(64, 35, 73)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(64, 35, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 35, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 28.048, 319.663 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 35, 73) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(64, 35, 73) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(64, 35, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 35, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 35, 73);  
box-shadow:4px 4px 4px 4px rgb(64, 35, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 28.048, 319.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 35, 73) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(64, 35,  
73) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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